

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TITLE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		6 LEASE OR MINING LOCATION AND SURVEY NO. HOG-8308-1033
b TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7 UNIT ACREMENT NAME Navajo
2 NAME OF OPERATOR Chuska Energy Co.		8 FARM OR LEASE NAME Navajo Tribal
3 ADDRESS OF OPERATOR c/o 3E Company, Inc., Box 190, Farmington, NM 87499		9 WELL NO. 13-35
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At surface 2140' FSL & 820' FWL At proposed prod. zone same		10 FIELD AND TOWN, OR WILDCAT Aneth
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		11 SEC., T., R. M. OR NELE AND SURVEY OR AREA Sec 35, T41S, R25E
15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR 11461 LINE FT. (Also to nearest dip unit line if any)	16 NO. OF ACRES IN LEASE 5120	17 NO. OF ACRES ASSIGNED TO THIS WELL 40
18 DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL (Indicate whether OR APPLIED FOR ON THIS LEASE IT)	19 PROPOSED DEPTH 5550	20 ROTARY OR CABLE TOOLS Rotary
21 FILTRATIONS (Show whether DF, RF, GR, etc.) 4575' GR	22 APPROX. DATE WORK WILL START* 10/15/83	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17	13 3/8	54.5	100	see attached
12 1/4	8 5/8	24	1300	cement information
7 7/8	5 1/2	15.5	5550	

(SEE ATTACHED)

IN ABOVE SPACE DISCLOSE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24
SIGNED John Alexander TITLE Agent DATE September 23, 1983
(This is for Federal or State (check one))
PERMIT NO. _____ APPROVAL DATE _____
APPROVAL BY _____ DATE _____
CONDITIONS OF FEE VAL. IF ANY _____

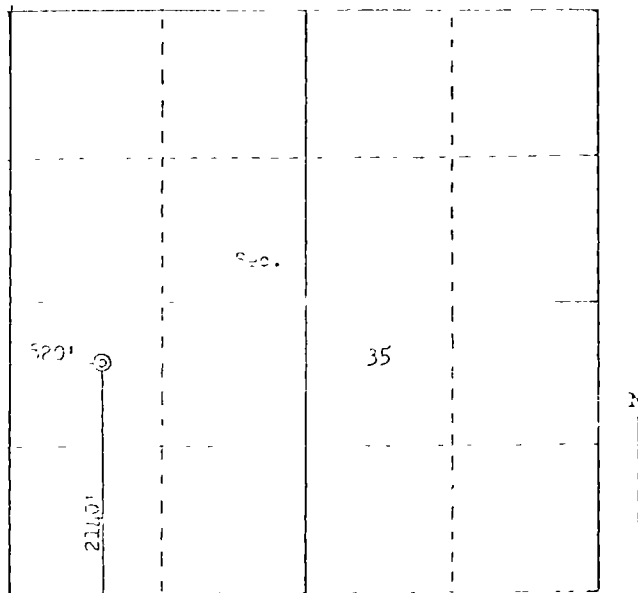
COMPANY CLARK ENERGY COMPANY

LEASE MAJO IRIPAL WELL NO 13-35

SEC 35, T 11S, R 25E
SAN JUAN COUNTY, UTAH

LOCATION 2140' FSL 820' FWL

ELEVATION 1575 ungrained sand

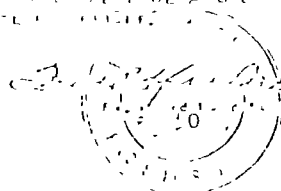


SCALE 4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLATY IS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEY AND IS NOT A COPY OF ANY OTHER
FIELD AND THAT THE SAME IS THE BEST COPY OF THE
FIELD NOTES AVAILABLE.

DATE

BY



-7

13

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 13-35
NWSW Sec 35-41S-25E
San Juan Co., Utah

Surface Formation:

Morrison

Estimated Formation Tops:

Chinle	1750'
DeChelly	2460'
Organ Rock	2580'
Cuttler	3650'
Hermosa	4400'
Upper Ismay	5220'
Lower Ismay	5320'
Desert Creek	5390'
T.D.	5550'

Estimated Depth of Anticipated Water, Oil, Gas or Minerals:

Oil	5320'
Oil	5390'

Proposed Casing Program:

0-100'	13 3/8", 54.5 lb/ft, ST & C, J-55 new casing; cement with 120 feet ³ Class "B" + 2% CaCl ₂ + 1/4 lb cellophane flakes per sack
0-1300'	8 5/8", 24 lb/feet, ST & C, K-55 new casing; cement with 800 feet ³ 65-35 poz mix + 6% gel + 3% CaCl ₂ followed by 200 feet Class "B" + 2% CaCl ₂ . Cement will be brought to surface.
0-5550' T.D.	5 1/2", 15.5 lb/ft, ST & C, K-55 new casing; cement with 450 feet ³ 50-50 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4,000'

Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under the surface pipe.

Drilling Fluids:

DEPTH	TYPE	VIS	WEIGHT	FLUID LOSS
0-1300'	Gel-lime	35-45	9.0	Not controlled
1300-4000'	Gel-chem	35-45	9.5	15cc
4000-5550'	Low solids	45-50	10.0	9cc

Auxiliary Equipment:

- Bit Float
- Stabbing valve to be used to drill pipe when kelly is not connected.

Logging - Coring - Testing Program:

Logging - Open Hole:	IES, CNL, FDC
Mud :	4000' to T.D.

ting : possible in Lower Ismay and Desert Creek

oring : None Planned

Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

Starting Date:

Anticipated starting date is October 15, 1983. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days completion should be accomplished in 6 days.

CHOKER

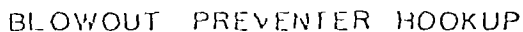
WATE OR FLOWING VALVE

CHOKER

WATE OR FLOW VALVE

CROSS

WELL B HEAD LINE



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY CO.
Navajo Tribal No. 13-35
NWSW Sec 35-41S-25E
San Juan Co., Utah

Existing Roads (Shown in Green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access will be from Utah Hwy. 262 at the Aneth Community School. An improved secondary road will be followed to an existing well site in the SENE 34, T41S, R25E. No upgrading of this secondary road will be necessary.

2. Planned Access Road (Shown in Red)

The new access road will begin at Chuska's proposed Navajo Tribal No. 12-35 well site in SWNW Sec 35, 41S, 25E. The road will parallel an existing fence and then cross into the irrigated field where the drill site is located. Maximum grade is 5%. No water bars, culverts or turnouts should be needed. The requirements for the fence cut will be established with the land owner.

3. Location of Existing Wells

All existing oil, gas, water, drilling and disposal wells are shown on the attached plat.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

Location and Type of Water Supply

Fresh water for drilling will be trucked from the San Juan River, 1/2 mile South of the location.

Source of Construction Materials

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

Methods of Handling Waste Disposal

All trash will be carried to a land fill or burned. All nonburnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

A portable chemical toilet will be supplied for human waste.

Ancillary Facilities - No ancillary facilities are planned.

Well Site Layout - The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

Plans for Restoration of Surface

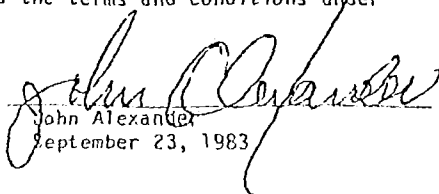
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour.

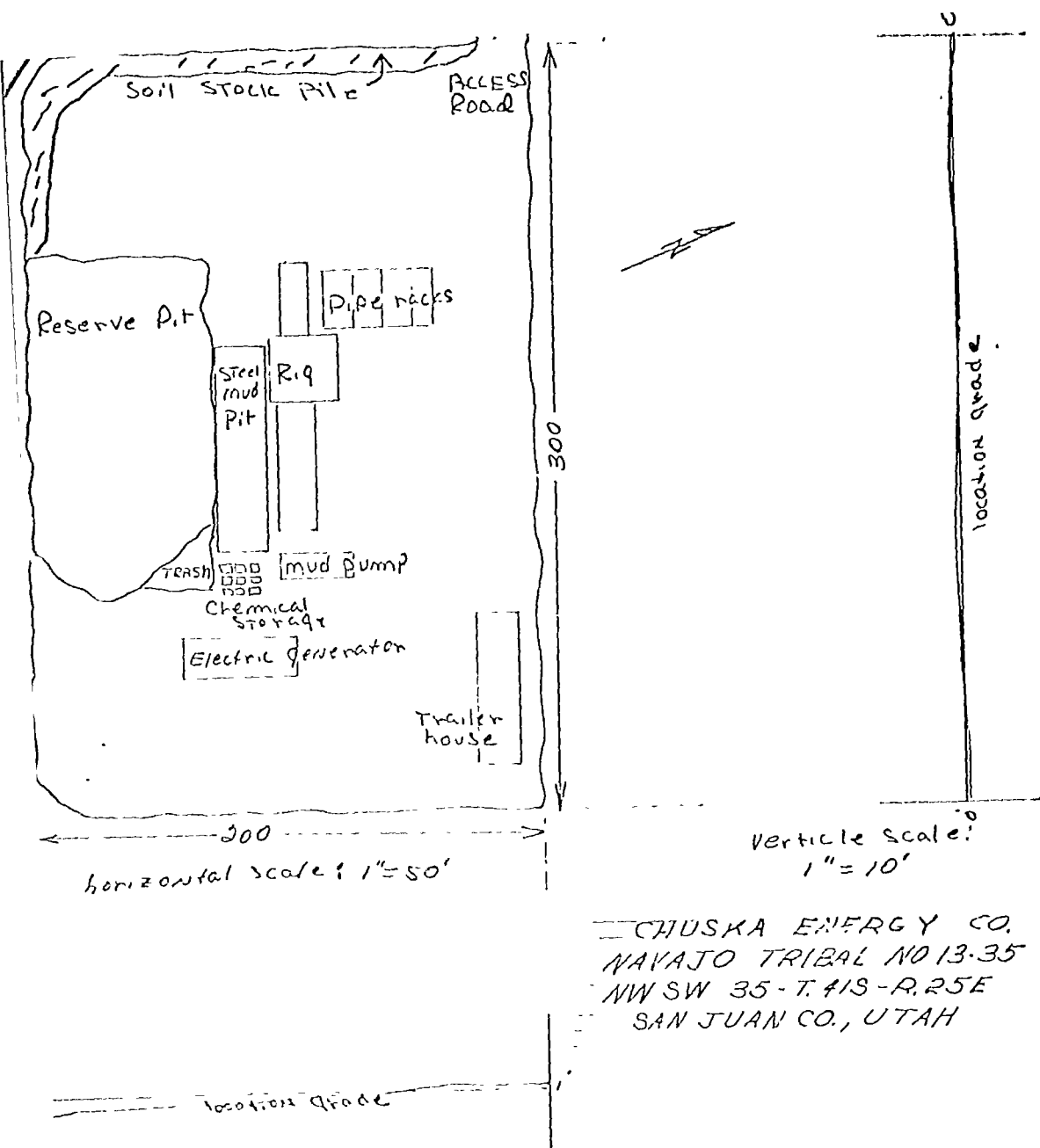
access road will be plowed up and leveled. Both drillsite and road will have topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

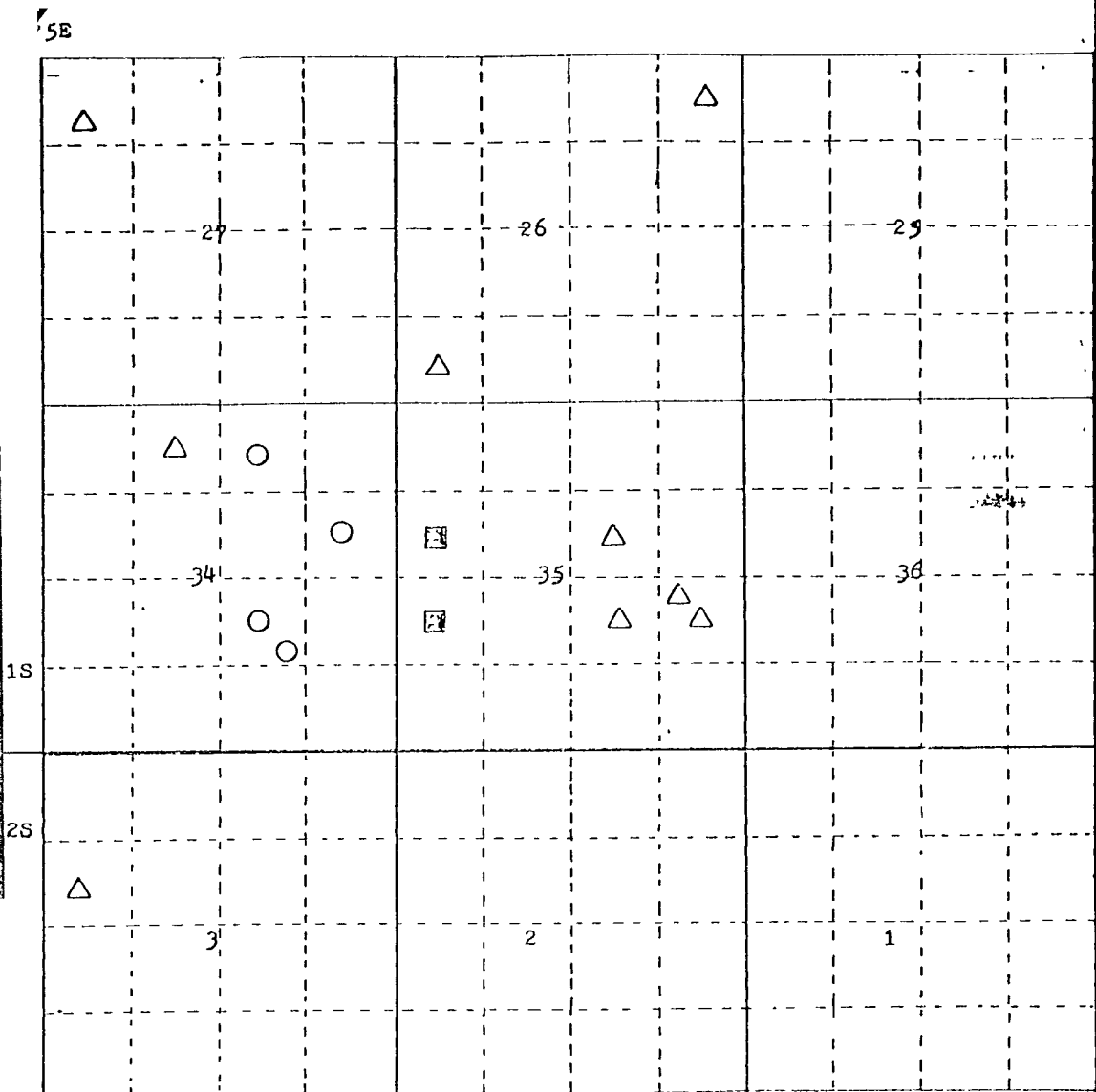
This location is 1/2 mile North of the San Juan River and is in an irrigated alfalfa field. The site is very flat. The soil is sandy and will probably have to be watered down & plowed to support heavy traffic. There is a residence 1/2 mile south of the location. No artifacts were found on the road or location.

John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87499
Phone: 505-326-1135

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


John Alexander
September 23, 1983





LEGEND

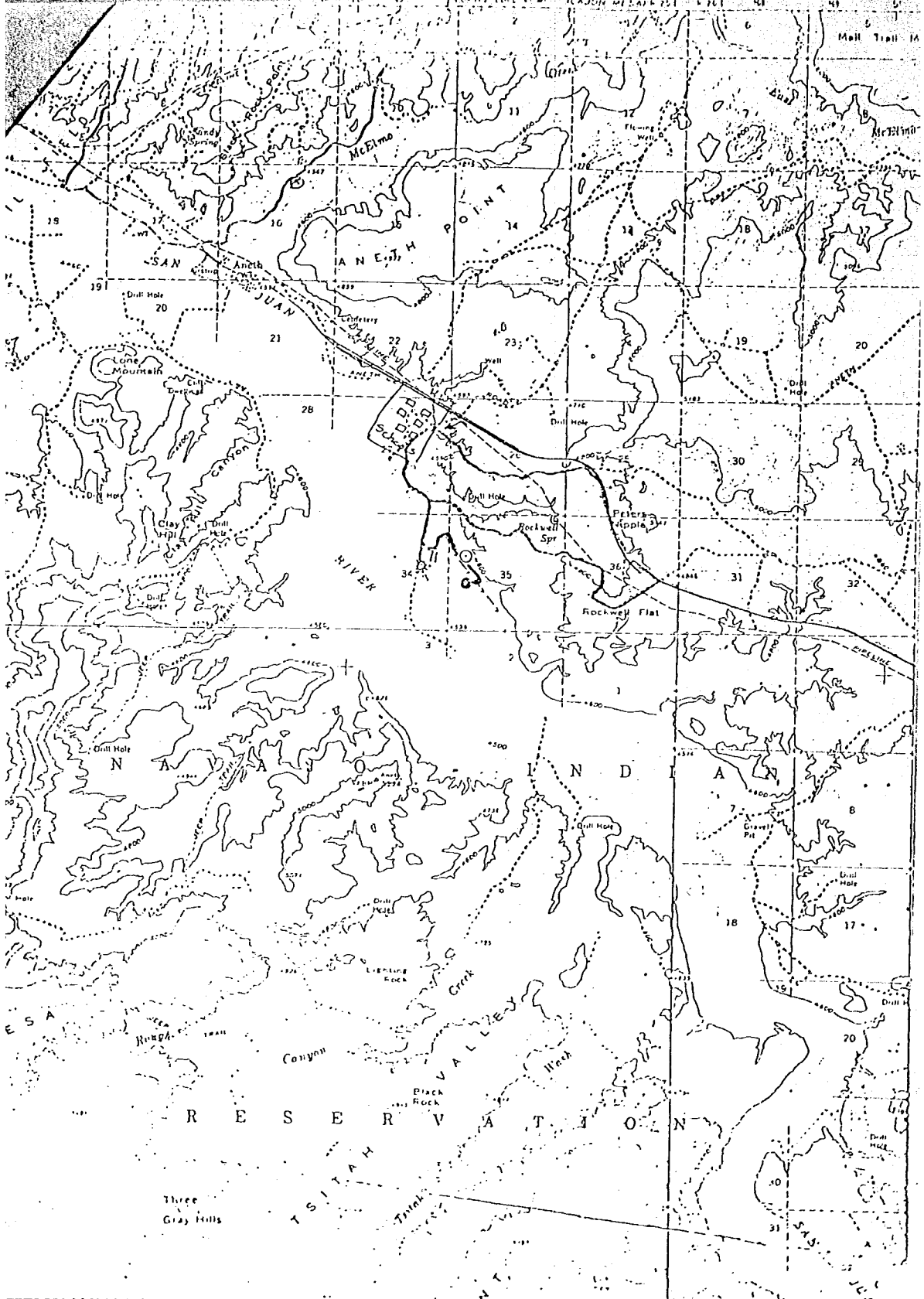
- △ plugged
- active well
- [] subject wells

OFFSET WELLS

Chuska Energy Co.
Navajo Tribal No. 12-35
SWNW 35-41S-25E

Navajo Tribal No. 13-35
NWSW 35-41S-25E

San Juan Co., Utah



Vicinity Map for
 CHUSKA ENERGY COMPANY #13-35 NAVAJO TRIBAL
 2140' FSL 820' FWL Sec. 35-T1S-R2SE
 SAN JUAN COUNTY, UTAH

THREE
 GRAY HILLS

COCK

OPERATOR Chas. Energy Co. DATE 1-22-83
WELL NAME Morgan Field 13 35
SEC N1/4 35 T 41S R 25E COUNTY San Juan

43 037 2040
API NUMBER

Lease
TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX

☐ MAP

☐ HL

☐ NID

☐

☐ PI

PROCESSING COMMENTS:

No oil wells within 500'

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10-28-83

BY [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:
10/31/83 ✓

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT _____

☐ c-3-a _____ CAUSE NO. & DATE _____

☒ c-3-b

☐ c-3-c

SPECIAL LANGUAGE:

1- Water

2- Pressure control equipment shall be
tested to a minimum of 1500 PSI

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BORDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER 110

☐ UNIT _____

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

January 9, 1925

Chas. Energy Company
c/o SL Company, Inc.
P.O. Box 150
Farmington, NM 87405

Re: Well No. Navajo Tribal 224-10
SEN, Sec. 16, T. 40N, R. 76E
220' FSL 2310' FWS
San Juan County, Utah

Comments:

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule 11(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Receipt by the Division on or evidence providing assurance of an adequate and approved supply of water prior to commencement of drilling.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 100 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

1. Spacing notification to the Division 10 days after drilling operations commence.
2. Submittal to the Division of completed Form G-2-2, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Birch, District Petroleum Engineer, telephone (661) 532-5771 (office), 571-6637 (home).

The API number assigned to this well is 36-763976.

APPROVED

R. J. Birch
District Petroleum Engineer



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson Governor
Temple A. Reynolds Executive Director
Dianne R. Nielson Ph.D. Division Director

4241 State Office Building • Salt Lake City UT 84114 • 801-533-5771

January 23, 1985

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 970
Moab, Utah 84532

Attention: Carol Fruediger

Gentlemen:

Re: Well No. Navajo Tribal 13-35 - Sec. 35, T. 41S., R. 25E.
San Juan County, Utah - API #43-037-30946 - Lease #N06-8308-1033
Operator of Record - Chuska Energy Co.

The above referred to well in your district was given State of Utah approval to drill January 9, 1984. This office has not received notification of any activity on this location.

If you have received any information on this location would you please send a copy to this office?

Thank you for your help in keeping our records up to date.

Sincerely,

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
00095/2



STATE OF UTAH
NATURAL RESOURCES
Oil Gas & Mining

Norman H. Bangerter Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 801-538-5340

June 17, 1985

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 970
Moab, Utah 84532

Gentlemen:

Re: Well No. Navajo Tribal 13-35 - Sec. 35, T. 41S., R. 25E.,
San Juan County, Utah - API #43-037-30946 - Lease #NOG-8308-1033
Operator of Record - Chuska Energy Company

The above referenced well in your district was given state approval to drill October 28, 1983. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

A handwritten signature in cursive script, appearing to read "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/38



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Danne R. Nelson, Ph.D., Division Director

355 W. North Temple, Third Center, Suite 350, Salt Lake City, UT 84111-2003, (801) 538-5340

April 8, 1986

Mr. John Keller
U.S. Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

Dear Mr. Keller:

RE: Status of Wells in San Juan County, Utah

Pursuant to our telephone conversation, I am requesting status information for the wells listed on the attached sheet. The listed wells were approved by this office over one year ago and no additional information has been received from the operator to indicate whether the wells have been drilled. I would appreciate information from your office stating the current status of these applications. Based on your response, this office will take administrative action in coordination with any BLM action.

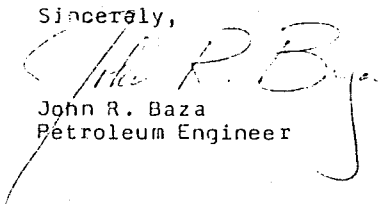
The wells are listed by operator, well name and location with the Indian lease number referenced. I could not find the operating agreement number listed in the well records of this office; therefore, it is not shown for any of the wells.

Your consideration of this request is appreciated. If you can provide us with any other information concerning administrative actions taken for wells on Navajo Indian land, it would greatly improve the quality of our well records. This office currently coordinates with other BLM offices within Utah to provide notice of drilling approvals and rescission notices and we would be happy to develop a similar arrangement with your office.

Page 2
Mr. John Keller
April 8, 1986

Please contact me if you have any questions concerning this request.

Sincerely,



John R. Baza
Petroleum Engineer

sb
Attachment
cc: D. R. Nielson
R. J. Firth
Well Files
0265T-73-74

ATTACHMENT

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 13-35
SEC.35, T.41S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-30946
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 44-11
SEC.11, T.42S, R.24E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31116
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 24-10
SEC.10, T.40S, R.24E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-30976
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 43-21
SEC.21, T.40S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31037
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 12-22
SEC.22, T.40S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31114
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 43-1
SEC.1, T.41S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31039
LEASE NO. NOG-8308-1033

PAGE TWO
ATTACHMENT

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 12-31
SEC.31, T.40S, R.23E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31035
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 32-36
SEC.36, T.40S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31036
LEASE NO. NOG-8308-1033

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 31-36
SEC.36, T.40S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31061
LEASE NO. NOG-8308-1033

HICKS OIL AND GAS, INC.
WELL NO. AZTEC-NAVAJO #2
SEC.33, T.41S, R.26E,
SAN JUAN COUNTY, UTAH
API NO.43-037-31071
LEASE NO. 14-20-0603-8495



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Caller Service 4104
Farmington, New Mexico 87499

IN REPLY REFER TO
NOG-8308-1033
3100 (016)

APR 16 1986

12-1-1964

DIVISION OF
ON CASE & MATERIALS

State of Utah Natural Resources
Oil, Gas and Mining
Attn: Mr. John R. Baza, Petroleum Engineer
355 W. North Temple 3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Baza:

All proposed wells on the accompanying list were either returned unapproved or approval was rescinded on the dates indicated beside each.

In the future this office will route a copy of the transmittal letter for such actions occurring in the State of Utah to your office for record purposes.

For your information, the number NOG-8308-1033 is the Navajo Operating Agreement number, not a lease number.

Sincerely,

John S. Kellum

For John S. McKee
Acting Area Manager

Enclosure

ATTACHMENT

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 13-35
SEC.35, T.41S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-30946
LEASE NO. NOG-8308-1033

Returned 11/15/86

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 44-11
SEC.11, T.42S, R.24E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31116
LEASE NO. NOG-8308-1033

Returned 11/15/86

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 24-10
SEC.10, T.40S, R.24E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-30976
LEASE NO. NOG-8308-1033

Returned 11/14/86

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 43-21
SEC.21, T.40S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31037
LEASE NO. NOG-8308-1033

Returned 11/15/86

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 12-22
SEC.22, T.40S, R.25E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31114
LEASE NO. NOG-8308-1033

Returned 11/13/86

CHUSKA ENERGY COMPANY
WELL NO. NAVAJO TRIBAL 43-1
SEC.1, T.41S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31039
LEASE NO. NOG-8308-1033

Returned 11/15/86

PAGE TWO
ATTACHMENT

CHUSKA ENERGY COMPANY
WELL NO. HAVAJO TRIBAL 12-31
SEC.31, T.40S, R.23E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31035
LEASE NO. HOG-8308-1033

Reviewed 1/2/86

CHUSKA ENERGY COMPANY
WELL NO. HAVAJO TRIBAL 32-36
SEC.36, T.40S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31036
LEASE NO. HOG-8308-1033

Reviewed 1/2/86

CHUSKA ENERGY COMPANY
WELL NO. HAVAJO TRIBAL 31-36
SEC.36, T.40S, R.22E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31061
LEASE NO. HOG-8308-1033

Reviewed 2/2/86

HICKS OIL AND GAS, INC.
WELL NO. AZTEC-HAVAJO #2
SEC.33, T.41S, R.26E,
SAN JUAN COUNTY, UTAH
API NO. 43-037-31071
LEASE NO. 14-20-0603-3495

*Reviewed 1/2/86
Approved 1/2/86*

